$%^STN;HighlightOn=;HighlightOff=;

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LOGINID:ssptaylc1626

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * *   Welcome to STN International   * * * * * * * * * *

NEWS	1		Web Page for STN Seminar Schedule - N. America
NEWS	2	MAY 01	New CAS web site launched
NEWS	3	MAY 08	CA/CAplus Indian patent publication number format defined
NEWS	4	MAY 14	RDISCLOSURE on STN Easy enhanced with new search and display fields
NEWS	5	MAY 21	BIOSIS reloaded and enhanced with archival data
NEWS	6	MAY 21	TOXCENTER enhanced with BIOSIS reload
NEWS	7	MAY 21	CA/CAplus enhanced with additional kind codes for German patents
NEWS	8	MAY 22	CA/CAplus enhanced with IPC reclassification in Japanese patents
NEWS	9	JUN 27	CA/CAplus enhanced with pre-1967 CAS Registry Numbers
NEWS	10	JUN 29	STN Viewer now available
NEWS	11	JUN 29	STN Express, Version 8.2, now available
NEWS	12	JUL 02	LEMBASE coverage updated
NEWS	13	JUL 02	LMEDLINE coverage updated
NEWS	14	JUL 02	SCISEARCH enhanced with complete author names
NEWS	15	JUL 02	CHEMCATS accession numbers revised
NEWS	16	JUL 02	CA/CAplus enhanced with utility model patents from China
NEWS	17	JUL 16	CAplus enhanced with French and German abstracts
NEWS	18	JUL 18	CA/CAplus patent coverage enhanced
NEWS	19	JUL 26	USPATFULL/USPAT2 enhanced with IPC reclassification
NEWS	20	JUL 30	USGENE now available on STN
NEWS	21	AUG 06	CAS REGISTRY enhanced with new experimental property tags
NEWS	22	AUG 06	BEILSTEIN updated with new compounds
NEWS	23	AUG 06	FSTA enhanced with new thesaurus edition
NEWS	24	AUG 13	CA/CAplus enhanced with additional kind codes for granted patents
NEWS	25	AUG 20	CA/CAplus enhanced with CAS indexing in pre-1907 records
NEWS	26	AUG 27	Full-text patent databases enhanced with predefined patent family display formats from INPADOCDB
NEWS	27	AUG 27	USPATOLD now available on STN
NEWS	28	AUG 28	CAS REGISTRY enhanced with additional experimental spectral property data

NEWS EXPRESS   29 JUNE 2007: CURRENT WINDOWS VERSION IS V8.2,
               CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
               AND CURRENT DISCOVER FILE IS DATED 05 JULY 2007.

```
NEWS HOURS      STN Operating Hours Plus Help Desk Availability
NEWS LOGIN      Welcome Banner and News Items
NEWS IPC8       For general information regarding STN implementation of IPC 8
```

Enter NEWS followed by the item number or name to see news on that
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* * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 13:33:33 ON 05 SEP 2007

```
=> file reg
COST IN U.S. DOLLARS                        SINCE FILE      TOTAL
                                               ENTRY       SESSION
FULL ESTIMATED COST                            0.21          0.21
```

FILE 'REGISTRY' ENTERED AT 13:33:54 ON 05 SEP 2007
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provided by InfoChem.

```
STRUCTURE FILE UPDATES:    4 SEP 2007   HIGHEST RN 946048-22-2
DICTIONARY FILE UPDATES:   4 SEP 2007   HIGHEST RN 946048-22-2
```

New CAS Information Use Policies, enter HELP USAGETERMS for details.

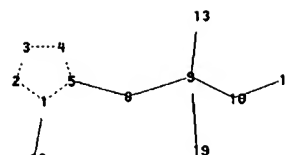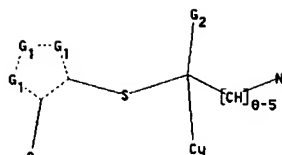TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

Please note that search-term pricing does apply when
conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

```
=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10521728\10521728Q.str
```

chain nodes :
8   9   10   11   13   16   19
ring nodes :
1   2   3   4   5
chain bonds :
1-16   5-8   8-9   9-10   9-13   9-19   10-11
ring bonds :
1-2   1-5   2-3   3-4   4-5
exact/norm bonds :
1-2   1-5   1-16   2-3   3-4   4-5   5-8   8-9   9-10   9-13   9-19   10-11

G1:C,S

G2:H,CH3,Et,n-Pr,n-Bu

G3:X,MeO,EtO,n-PrO,i-PrO,n-BuO,i-BuO,s-BuO,CN,CHO,NH,NH2,NO2

Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   8:CLASS   9:CLASS   10:CLASS   11:CLASS
13:CLASS
16:CLASS   19:Atom
Generic attributes :
19:
Saturation   : Unsaturated
Number of Carbon Atoms : less than 7

L1   STRUCTURE UPLOADED

=> d
L1 HAS NO ANSWERS
L1   STR
*** STRUCTURE DIAGRAM IS NOT AVAILABLE ***

Structure attributes must be viewed using STN Express query preparation.

=> s l1
SAMPLE SEARCH INITIATED 13:34:26 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   5668 TO ITERATE

```
  35.3% PROCESSED     2000 ITERATIONS                                    0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01


FULL FILE PROJECTIONS:   ONLINE   **COMPLETE**
                         BATCH    **COMPLETE**
PROJECTED ITERATIONS:       108846 TO    117874
PROJECTED ANSWERS:               0 TO         0


L2            0 SEA SSS SAM L1

=> s l1 full
FULL SEARCH INITIATED 13:34:37 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   112533 TO ITERATE

100.0% PROCESSED    112533 ITERATIONS                                   7 ANSWERS
SEARCH TIME: 00.00.06


L3            7 SEA SSS FUL L1

=> file caplus
COST IN U.S. DOLLARS                         SINCE FILE      TOTAL
                                                ENTRY       SESSION
FULL ESTIMATED COST                            172.55       172.76


FILE 'CAPLUS' ENTERED AT 13:35:02 ON 05 SEP 2007
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```

```
FILE COVERS 1907 - 5 Sep 2007  VOL 147 ISS 11
FILE LAST UPDATED: 4 Sep 2007   (20070904/ED)
```

```
=> s l3
L4            2 L3                           Not ODP.

=> d ibib abs hitstr tot


L4    ANSWER 1 OF 2  CAPLUS  COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER:        2004:80678  CAPLUS  Full-text
DOCUMENT NUMBER:         140:145993
TITLE:                   Preparation of aminohydroxyalkylthiothiophenecarbonitr
                         iles as nitric oxide synthase (NOS) inhibitors.
```
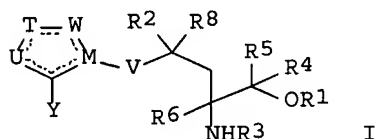
AB   Title compds. [I; Y = (fluoro)alkyl, (fluoro)alkoxy, halo, CN, C:CH, NO2,
       CH2OH, CHO, Ac, NH2, NHCHO, NHCOCH3, NHSO2Me; T, U, W = CX, N, NR13, O, SOm; m
       = 0-2; X = H, (fluoro)alkyl, (fluoro)alkoxy, halo, OH, SH, CN, C:CH, N(R14)2,
       NO2, CH2OH, CHO, Ac, NHCHO; V = NR7, O, CH2, SOn, CH2O, CH2NR7, CH2SOn,
       CH2CH2, CH:CH; n = 0-2; M = C, N; R1, R8 = H, Me.; R2 = alkyl, alkenyl,
       alkynyl, cycloalkyl, 4-8 membered satd. heterocyclyl incorporating 1 O, S, N;
       any of said groups being optionally further substituted by alkyl, alkoxy,
       alkylthio, cycloalkyl, halo, (substituted) Ph; or R2 = (substituted) Ph, 5-6
       membered heteroaryl contg. 1-3 O, S, N; R3 = H, (substituted) alkyl,
       cycloalkyl; R4-R7, R9-R12, R14 = H, alkyl; R13 = H, alkyl, CHO, Ac, SO2CH3,
       CF3], were prepd. Thus, 1,1-dimethylethyl (4S)-4-((2R)-2-mercapto-2-
       phenylethyl)-2,2-dimethyl-3- oxazolidinecarboxylate (prepn. given), 3-
       bromothiophene-2-carbonitrile, and NaH were stirred 24 h in DMF to give 1,1-
       dimethylethyl (4S)-4-[(2R)-2-[(2-cyano-3-thienyl)thio]-2-phenylethyl]-2,2-
       dimethyl-3- oxazolidinecarboxylate. The latter was stirred 2 h with 4M HCl in
       dioxane to give a residue which was treated with oxalic acid in Et2O to give

3-[[(1R,3S)-3-amino-4-hydroxy-1-phenylbutyl]thio]-2-thiophenecarbonitrile
          oxalate. I inhibited iNOS with IC50 <10 .mu.M.
IT   651353-83-2P 651353-84-3P 651353-85-4P
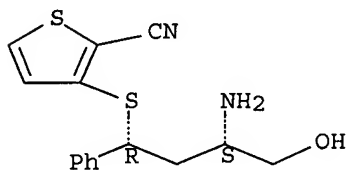   651353-86-5P
      RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
      (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
      (Uses)
          (prepn. of aminohydroxyalkylthiothiophenecarbonitriles as nitric oxide
          synthase inhibitors)
RN   651353-83-2 CAPLUS
CN   2-Thiophenecarbonitrile, 3-[[(1R,3S)-3-amino-4-hydroxy-1-phenylbutyl]thio]-
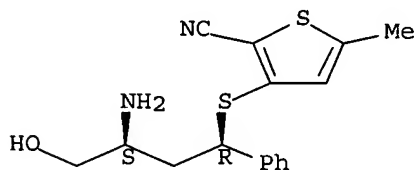   (9CI) (CA INDEX NAME)

Absolute stereochemistry.

RN   651353-84-3 CAPLUS
CN   2-Thiophenecarbonitrile, 3-[[(1R,3S)-3-amino-4-hydroxy-1-phenylbutyl]thio]-
      5-methyl- (9CI) (CA INDEX NAME)

Absolute stereochemistry.
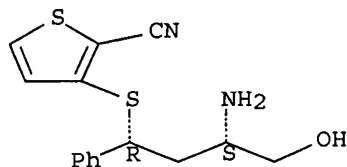

RN   651353-85-4 CAPLUS
CN   2-Thiophenecarbonitrile, 3-[[(1R,3S)-3-amino-4-hydroxy-1-phenylbutyl]thio]-
      , ethanedioate (1:1) (salt) (9CI) (CA INDEX NAME)

      CM   1

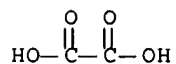   CRN 651353-83-2
      CMF C15 H16 N2 O S2

Absolute stereochemistry.

CM   2

CRN   144-62-7
CMF   C2 H2 O4

$$HO-\overset{O}{\underset{\|}{C}}-\overset{O}{\underset{\|}{C}}-OH$$

RN   651353-86-5 CAPLUS
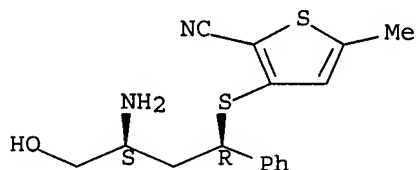CN   2-Thiophenecarbonitrile, 3-[[(1R,3S)-3-amino-4-hydroxy-1-phenylbutyl]thio]-
        5-methyl-, ethanedioate (1:1) (salt) (9CI) (CA INDEX NAME) .

CM   1

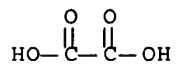CRN   651353-84-3
CMF   C16 H18 N2 O S2

Absolute stereochemistry.

CM   2

CRN   144-62-7
CMF   C2 H2 O4

$$HO-\overset{O}{\underset{\|}{C}}-\overset{O}{\underset{\|}{C}}-OH$$

REFERENCE COUNT: 3   THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
                                RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT
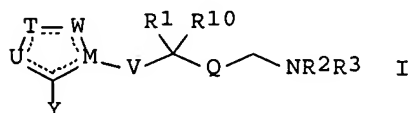
L4   ANSWER 2 OF 2 CAPLUS   COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 2004:80677 CAPLUS Full-text
DOCUMENT NUMBER: 140:128265
TITLE: Preparation of 3-[((1S)-2-amino-1-phenylethyl)thio]-5-
                                methyl-2-thiophenecarbonitrile oxalate and related
                                compounds as nitric oxide synthase inhibitors.

AB   Title compds. [I; Y = (F-substituted) alkyl, alkoxy, halo, CN, C:CH, NO2,
        CH2OH, CHO, Ac, NH2, NHCHO, NHAc, NHSO2Me; T, U, W = CX, N, NR9, O, S(O)m,
        .gtoreq.1 of T, U, W must = heteroatom and .ltoreq.1 of T, U and W may = NR9,
        O, SOm; m, n = 0-2; X = H, (F-substituted) alkyl, alkoxy, halo, OH, SH, CN,
        C:CH, N(R11)2, NO2, CH2OH, CHO, Ac, NHCHO; V = NR4, O, CH2, SOn, OCH2, CH2O,
        NR4CH2, CH2NR4, CH2SOn, SOnCH2, CH2CH2, CH:CH; M = C, and when M is bonded to
        a CH2 moiety in V, then M may = N; R10 = H, Me. Q = (CH2)p; p = 0-3; R1 =
        (substituted) Ph, 5-6 membered heteroaryl contg. 1-3 O, S and N; R2, R3 = H,
        (substituted) alkyl, cycloalkyl; Z = CO, bond; R4, R11 = H, alkyl; R5-R8 = H,
        alkyl; R9 = H, alkyl, CHO, Ac, SO2Me, CF3], were prepd. Thus, S-[(1S)-2-
        [[(1,1-dimethylethoxy)carbonyl]amino]-1- phenylethyl]benzenecarbothioate
        (prepn. given) was stirred 2h with aq. NH3 in MeOH; the residue was stirred
        with 3-bromo-5-methyl-2- thiophenecarbonitrile (prepn. given) and Cs2CO3 in
        DMF for 24 h to give 1,1-dimethylethyl [(2S)-2-[(2-cyano-5-methyl-3-
        thienyl)thio]-2- phenylethyl]carbamate. The latter was stirred with 4M HCl in
        dioxane at 20.degree. for 2 h and the residue was treated with oxalic acid in
        Et2O to give 3-[((1S)-2-amino-1-phenylethyl)thio]-5-methyl-2-

thiophenecarbonitrile oxalate. The latter inhibited nitric oxide synthase
with IC50 <100 .mu.M.

IT   651034-24-1P
      RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU
      (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES
      (Uses)
          (prepn. of aminophenylethylthiomethylthiophenecarbonitrile and related
          compds. as nitric oxide synthase inhibitors)
RN   651034-24-1 CAPLUS
CN   2-Thiophenecarbonitrile, 3-[[(1S)-2-amino-1-phenylethyl]thio]-5-methyl-,
      ethanedioate (9CI) (CA INDEX NAME)

      CM   1

      CRN   651034-23-0
      CMF   C14 H14 N2 S2

Absolute stereochemistry.

      CM   2

      CRN   144-62-7
      CMF   C2 H2 O4

IT   651034-45-6P
      RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT
      (Reactant or reagent)
          (prepn. of aminophenylethylthiomethylthiophenecarbonitrile and related
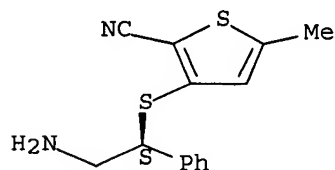   compds. as nitric oxide synthase inhibitors)
RN   651034-45-6 CAPLUS
CN   Carbamic acid, [(2S)-2-[(2-cyano-5-methyl-3-thienyl)thio]-2-phenylethyl]-,
      1,1-dimethylethyl ester (9CI) (CA INDEX NAME)

Absolute stereochemistry.

REFERENCE COUNT: 3   THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS
                                 RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> file reg
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                     ENTRY   SESSION
FULL ESTIMATED COST   21.82   194.58

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)   SINCE FILE   TOTAL
                                                     ENTRY   SESSION
CA SUBSCRIBER PRICE   -1.56   -1.56

FILE 'REGISTRY' ENTERED AT 13:49:26 ON 05 SEP 2007
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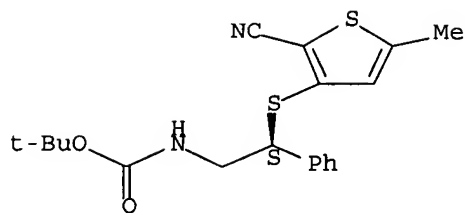PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 4 SEP 2007 HIGHEST RN 946048-22-2
DICTIONARY FILE UPDATES: 4 SEP 2007 HIGHEST RN 946048-22-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10521728\10521728R.str

```
chain nodes :
6  7  8  11  14  15  16
ring nodes :
1  2  3  4  5
chain bonds :
1-8  5-6  6-7  7-11  7-14  7-15  11-16
ring bonds :
1-2  1-5  2-3  3-4  4-5
exact/norm bonds :
1-2  1-5  1-8  2-3  3-4  4-5  5-6  6-7  7-11  7-14  7-15  11-16


G1:C,S

G2:O,S,N,CH2

G3:H,CH3,Et,n-Pr,n-Bu

G4:X,MeO,EtO,n-PrO,i-PrO,n-BuO,s-BuO,CN,CHO,NH,NH2,NO2

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:CLASS  7:CLASS  8:CLASS  11:Atom
14:CLASS
15:Atom  16:CLASS
Generic attributes :
15:
Saturation             : Unsaturated
Number of Carbon Atoms : less than 7




L5        STRUCTURE UPLOADED

=> d
L5 HAS NO ANSWERS
L5                STR
```

G1 C,S
G2 O,S,N,CH2
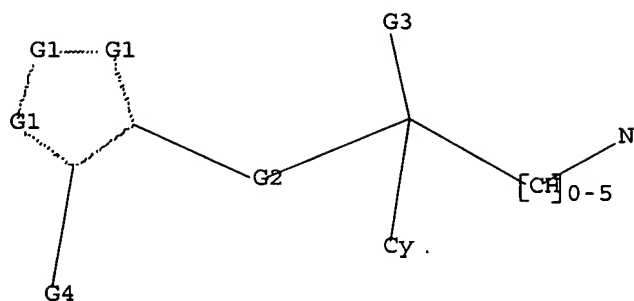G3 H,Me,Et,n-Pr,n-Bu
G4 X,MeO,EtO,n-PrO,i-PrO,n-BuO,s-BuO,CN,CHO,NH,NH2,NO2

Structure attributes must be viewed using STN Express query preparation.


```
=> s 15
SAMPLE SEARCH INITIATED 13:49:56 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   735141 TO ITERATE

   0.3% PROCESSED     2000 ITERATIONS                              0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.04

FULL FILE PROJECTIONS:  ONLINE   **INCOMPLETE**
                        BATCH    **INCOMPLETE**
PROJECTED ITERATIONS:     14655654 TO 14749986
PROJECTED ANSWERS:               0 TO         0

L6              0 SEA SSS SAM L5

=> s 15 full
FULL SEARCH INITIATED 13:50:34 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 14703568 TO ITERATE

   1.9% PROCESSED   272888 ITERATIONS                             0 ANSWERS

   3.7% PROCESSED   548769 ITERATIONS                             0 ANSWERS

   5.1% PROCESSED   745208 ITERATIONS                             0 ANSWERS

   6.6% PROCESSED   973220 ITERATIONS                             0 ANSWERS

   6.8% PROCESSED  1000000 ITERATIONS                             0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.01.12

FULL FILE PROJECTIONS:  ONLINE   **INCOMPLETE**
                        BATCH    **INCOMPLETE**
PROJECTED ITERATIONS:     14703568 TO 14703568
PROJECTED ANSWERS:               0 TO         0

L7              0 SEA SSS FUL L5
```

chain nodes :
6   7   8   11   14   15   16
ring nodes :
1   2   3   4   5
chain bonds :
1-8   5-6   6-7   7-11   7-14   7-15   11-16
ring bonds :
1-2   1-5   2-3   3-4   4-5
exact/norm bonds :
1-2   1-5   1-8   2-3   3-4   4-5   5-6   6-7   7-11   7-14   7-15   11-16

G1:C,S

G2:O,N,CH2

G3:H,CH3,Et,n-Pr,n-Bu

G4:X,MeO,EtO,n-PrO,i-PrO,n-BuO,s-BuO,CN,CHO,NH,NH2,NO2

Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:CLASS   7:CLASS   8:CLASS   11:Atom
14:CLASS
15:Atom   16:CLASS
Generic attributes :
15:
Saturation   : Unsaturated
Number of Carbon Atoms : less than 7

L8   STRUCTURE UPLOADED

=> d
L8 HAS NO ANSWERS
L8   STR

G1 C,S
G2 O,N,CH2
G3 H,Me,Et,n-Pr,n-Bu
G4 X,MeO,EtO,n-PrO,i-PrO,n-BuO,s-BuO,CN,CHO,NH,NH2,NO2

Structure attributes must be viewed using STN Express query preparation.

```
=> s 18
SAMPLE SEARCH INITIATED 13:53:23 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   722979 TO ITERATE

   0.3% PROCESSED     2000 ITERATIONS                              0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.04

FULL FILE PROJECTIONS:   ONLINE   **INCOMPLETE**
                         BATCH    **INCOMPLETE**
PROJECTED ITERATIONS:     14412733 TO 14506427
PROJECTED ANSWERS:               0 TO          0

L9            0 SEA SSS SAM L8

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10521728\10521728R-2.str
```



```
chain nodes :
6  7  8  11  14  15  16
ring nodes :
1  2  3  4  5
chain bonds :
1-8  5-6  6-7  7-11  7-14  7-15  11-16
```

ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
1-2 1-5 1-8 2-3 3-4 4-5 5-6 6-7 7-11 7-14 7-15 11-16

G1:C,S

G2:O,N

G3:H,CH3,Et,n-Pr,n-Bu

G4:X,MeO,EtO,n-PrO,i-PrO,n-BuO,s-BuO,CN,CHO,NH,NH2,NO2

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 11:Atom
14:CLASS
15:Atom 16:CLASS
Generic attributes :
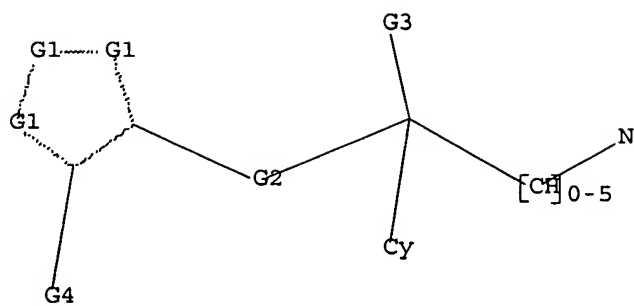15:
Saturation   : Unsaturated
Number of Carbon Atoms : less than 7

L10   STRUCTURE UPLOADED

=> d
L10 HAS NO ANSWERS
L10   STR

G1 C,S
G2 O,N
G3 H,Me,Et,n-Pr,n-Bu
G4 X,MeO,EtO,n-PrO,i-PrO,n-BuO,s-BuO,CN,CHO,NH,NH2,NO2

Structure attributes must be viewed using STN Express query preparation.

=> s l10
SAMPLE SEARCH INITIATED 13:54:43 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   572155 TO ITERATE

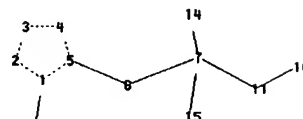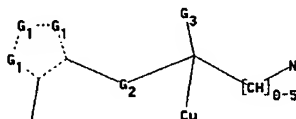   0.3% PROCESSED   2000 ITERATIONS   0 ANSWERS

INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE   **INCOMPLETE**
                         BATCH   **INCOMPLETE**
PROJECTED ITERATIONS: 11400624 TO 11485576
PROJECTED ANSWERS: 0 TO   0

L11   0 SEA SSS SAM L10

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10521728\10521728R-3.str

chain nodes :
6   7   10   12   13   14   19
ring nodes :
1   2   3   4   5
chain bonds :
1-7   5-19   6-13   6-10   6-12   6-19   10-14
ring bonds :
1-2   1-5   2-3   3-4   4-5
exact/norm bonds :
1-2   1-5   1-7   2-3   3-4   4-5   5-19   6-13   6-10   6-12   6-19   10-14

G1:C,S

G3:H,CH3,Et,n-Pr,n-Bu

G4:X,MeO,EtO,n-PrO,i-PrO,n-BuO,s-BuO,CN,CHO,NH,NH2,NO2

G5:O,N

Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:CLASS   7:CLASS   10:Atom   12:CLASS
13:Atom
14:CLASS   19:CLASS
Generic attributes :
13:
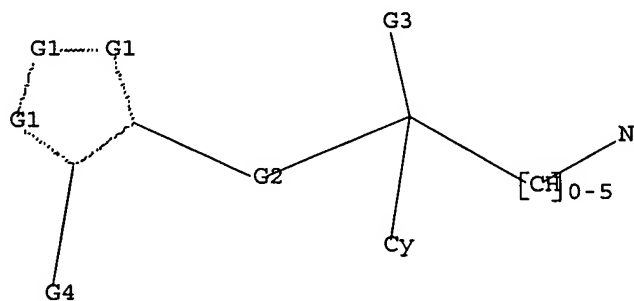Saturation   : Unsaturated
Number of Carbon Atoms : less than 7

L12   STRUCTURE UPLOADED

=> d
L12 HAS NO ANSWERS
L12   STR

G1 C,S
G2
G3 H,Me,Et,n-Pr,n-Bu
G4 X,MeO,EtO,n-PrO,i-PrO,n-BuO,s-BuO,CN,CHO,NH,NH2,NO2
G5 O,N

Structure attributes must be viewed using STN Express query preparation.

=> s l12
SAMPLE SEARCH INITIATED 13:56:42 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   572155 TO ITERATE

   0.3% PROCESSED   2000 ITERATIONS   0 ANSWERS
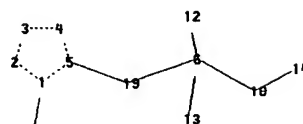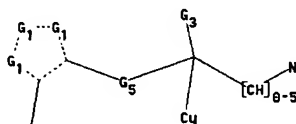INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE   **INCOMPLETE**
                         BATCH   **INCOMPLETE**
PROJECTED ITERATIONS: 11400624 TO 11485576
PROJECTED ANSWERS: 0 TO   0

L13   0 SEA SSS SAM L12

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10521728\10521728S.str

```
chain nodes :
6  7  8  9  10  15  20
ring nodes :
1  2  3  4  5
chain bonds :
1-20  5-6  6-7  7-8  7-10  7-15  8-9
ring bonds :
1-2  1-5  2-3  3-4  4-5
exact/norm bonds :
1-2  1-5  1-20  2-3  3-4  4-5  5-6  6-7  7-8  7-10  7-15  8-9


G1:C,S

G2:O,N,CH2

G3:H,CH3,Et,n-Pr,i-Pr,n-Bu,s-Bu

G4:X,MeO,EtO,n-PrO,i-PrO,n-BuO,s-BuO,CN,CHO,NH,NH2,NO2


Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:CLASS  7:CLASS  8:CLASS  9:CLASS  10:Atom
15:CLASS  20:CLASS
Generic attributes :
10:
Saturation                 : Unsaturated
Number of Carbon Atoms : less than 7




L14        STRUCTURE UPLOADED

=> d
L14 HAS NO ANSWERS
L14                 STR
```
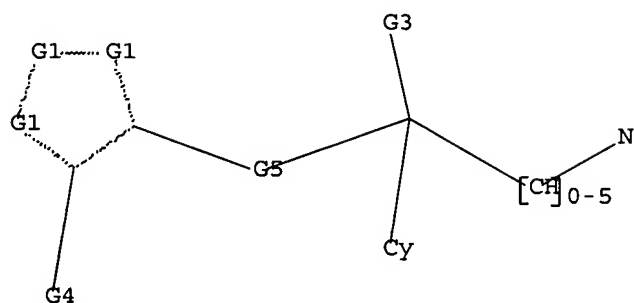


```
G1 C,S
G2 O,N,CH2
G3 H,Me,Et,n-Pr,i-Pr,n-Bu,s-Bu
G4 X,MeO,EtO,n-PrO,i-PrO,n-BuO,s-BuO,CN,CHO,NH,NH2,NO2




Structure attributes must be viewed using STN Express query preparation.
```

```
=> s l14
SAMPLE SEARCH INITIATED 14:00:56 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   722979 TO ITERATE

   0.3% PROCESSED     2000 ITERATIONS                          0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.03

FULL FILE PROJECTIONS:   ONLINE  **INCOMPLETE**
                         BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:     14412733 TO 14506427
PROJECTED ANSWERS:              0 TO       0

L15          0 SEA SSS SAM L14

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10521728\10521728S-1.str
```
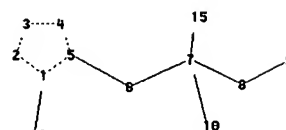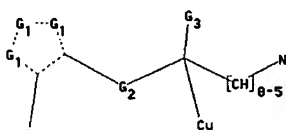


```
chain nodes :
6   7   8   9   10   14   19
ring nodes :
1   2   3   4   5
chain bonds :
1-19   5-6   6-7   7-8   7-10   7-14   8-9
ring bonds :
1-2   1-5   2-3   3-4   4-5
exact/norm bonds :
1-2   1-5   1-19   2-3   3-4   4-5   5-6   6-7   7-8   7-10   7-14   8-9


G1:C,S

G3:H,CH3,Et,n-Pr,i-Pr,n-Bu,s-Bu

G4:X,MeO,EtO,n-PrO,i-PrO,n-BuO,s-BuO,CN,CHO,NH,NH2,NO2

Match level :
1:Atom  2:Atom  3:Atom  4:Atom  5:Atom  6:CLASS  7:CLASS  8:CLASS  9:CLASS  10:Atom
14:CLASS  19:CLASS
Generic attributes :
10:
Saturation              : Unsaturated
Number of Carbon Atoms : less than 7
```
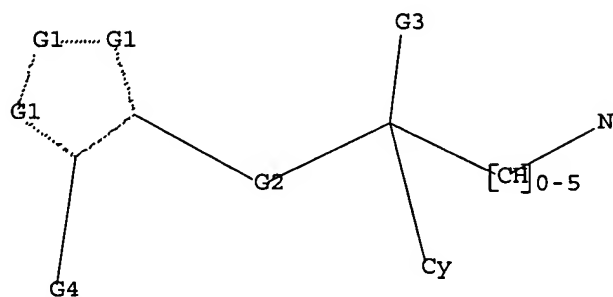
L16   STRUCTURE UPLOADED

=> d
L16 HAS NO ANSWERS
L16   STR

G1 C,S
G2
G3 H,Me,Et,n-Pr,i-Pr,n-Bu,s-Bu
G4 X,MeO,EtO,n-PrO,i-PrO,n-BuO,s-BuO,CN,CHO,NH,NH2,NO2

Structure attributes must be viewed using STN Express query preparation.

=> s l16
SAMPLE SEARCH INITIATED 14:02:23 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   30976 TO ITERATE

   6.5% PROCESSED   2000 ITERATIONS   0 ANSWERS
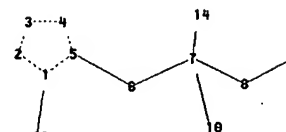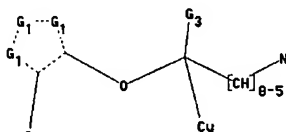INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE   **COMPLETE**
                         BATCH   **COMPLETE**
PROJECTED ITERATIONS: 608996 TO   630044
PROJECTED ANSWERS: 0 TO   0

L17   0 SEA SSS SAM L16

=> s l16 full
FULL SEARCH INITIATED 14:02:32 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   614816 TO ITERATE

100.0% PROCESSED   614816 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.06

L18   0 SEA SSS FUL L16

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10521728\10521728S-2.str

chain nodes :
6   7   8   9   10   14   19
ring nodes :
1   2   3   4   5
chain bonds :
1-19   5-6   6-7   7-8   7-10   7-14   8-9
ring bonds :
1-2   1-5   2-3   3-4   4-5
exact/norm bonds :
1-2   1-5   1-19   2-3   3-4   4-5   5-6   6-7   7-8   7-10   7-14   8-9

G1:C,S

G3:H,CH3,Et,n-Pr,i-Pr,n-Bu,s-Bu

G4:X,MeO,EtO,n-PrO,i-PrO,n-BuO,s-BuO,CN,CHO,NH,NH2,NO2

Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:CLASS   7:CLASS   8:CLASS   9:CLASS   10:Atom
14:CLASS   19:CLASS
Generic attributes :
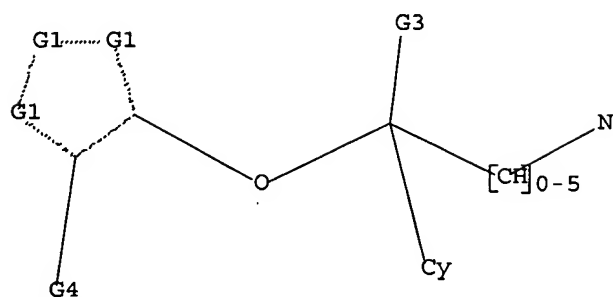10:
Saturation   : Unsaturated
Number of Carbon Atoms : less than 7

L19   STRUCTURE UPLOADED

=> d
L19 HAS NO ANSWERS
L19   STR

G1 C,S
G2
G3 H,Me,Et,n-Pr,i-Pr,n-Bu,s-Bu
G4 X,MeO,EtO,n-PrO,i-PrO,n-BuO,s-BuO,CN,CHO,NH,NH2,NO2

Structure attributes must be viewed using STN Express query preparation.

```
=> s l19
SAMPLE SEARCH INITIATED 14:03:32 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -    45149 TO ITERATE

   4.4% PROCESSED      2000 ITERATIONS                          0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS:   ONLINE   **COMPLETE**
                         BATCH    **COMPLETE**
PROJECTED ITERATIONS:       890294 TO    915666
PROJECTED ANSWERS:               0 TO         0

L20            0 SEA SSS SAM L19

=> s l19 full
FULL SEARCH INITIATED 14:03:40 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   909705 TO ITERATE

100.0% PROCESSED   909705 ITERATIONS                          2 ANSWERS
SEARCH TIME: 00.00.15

L21            2 SEA SSS FUL L19

=> file caplus
COST IN U.S. DOLLARS                      SINCE FILE        TOTAL
                                            ENTRY          SESSION
FULL ESTIMATED COST                         525.75          720.33

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)  SINCE FILE        TOTAL
                                            ENTRY          SESSION
CA SUBSCRIBER PRICE                           0.00           -1.56

FILE 'CAPLUS' ENTERED AT 14:04:07 ON 05 SEP 2007
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COPYRIGHT (C) 2007 AMERICAN CHEMICAL SOCIETY (ACS)
```
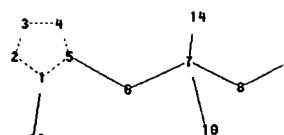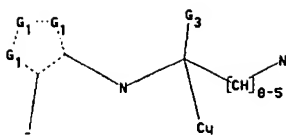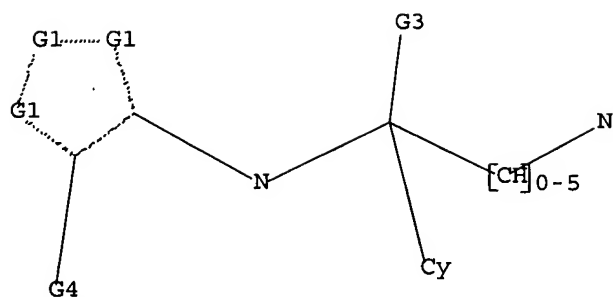
FILE COVERS 1907 - 5 Sep 2007 VOL 147 ISS 11
FILE LAST UPDATED: 4 Sep 2007   (20070904/ED)

Effective October 17, 2005, revised CAS Information Use Policies apply.
They are available for your review at:

http://www.cas.org/infopolicy.html

=> s l21
L22   1 L21

=> d ibib abs hitstr tot

L22 ANSWER 1 OF 1 CAPLUS COPYRIGHT 2007 ACS on STN
ACCESSION NUMBER: 1984:191517 CAPLUS Full-text
DOCUMENT NUMBER: 100:191517
TITLE: Reactions of· some arylmethylenedicarbamates with ethyl
                         vinyl ether
AUTHOR(S):   Sirotanovic-Maletic, Ksenija; Bajlon-Pastor, Milka;
                         Markovic, Rade
CORPORATE SOURCE: Fac. Sci., Univ. Belgrade, Belgrade, YU-11001,
                         Yugoslavia
SOURCE: Glasnik Hemijskog Drustva Beograd (1983), 48(7), 401-8
                         CODEN: GHDBAX; ISSN: 0017-0941
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S):   CASREACT 100:191517
GI

N(CO2Et)CHPhNHCO2Et   IV

AB   The title dicarbamates, RC6H4CH(NHCO2R1)2 (I; R1 = Et, R = H, 2-, 3-Cl, 2-, 4-
       MeO; R1 = Me2CHCH2, R = H, 2-, 3-, 4- Cl), condense with EtOCH:CH2 (II) in the
       presence of 1-2% BF3.Et2O (III) to give tricarbamates RC6H4CH(NHCO2R1)
       CH2CH(NHCO2R1)2. Electron-withdrawing substituents impede the reaction; I (R
       = NO2) do not react under these conditions. With an excess of III present, I
       (R = H, R1 = Et) reacted with II to give indan IV.
IT   89950-54-9P
       RL: SPN (Synthetic preparation); PREP (Preparation)
          (prepn. of)
RN   89950-54-9 CAPLUS

CN   Carbamic acid, (2,3-dibromo-2,3-dihydro-1H-inden-1-
      yl)[[(ethoxycarbonyl)amino]phenylmethyl]-, ethyl ester (9CI)   (CA INDEX
      NAME)

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10521728\10521728S-3str.str

chain nodes :
6   7   8   9   10   14   19
ring nodes :
1   2   3   4   5
chain bonds :
1-19   5-6   6-7   7-8   7-10   7-14   8-9
ring bonds :
1-2   1-5   2-3   3-4   4-5
exact/norm bonds :
1-2   1-5   1-19   2-3   3-4   4-5   5-6   6-7   7-8   7-10   7-14   8-9

G1:C,S

G3:H,CH3,Et,n-Pr,i-Pr,n-Bu,s-Bu

G4:X,MeO,EtO,n-PrO,i-PrO,n-BuO,s-BuO,CN,CHO,NH,NH2,NO2

Match level :
1:Atom   2:Atom   3:Atom   4:Atom   5:Atom   6:CLASS   7:CLASS   8:CLASS   9:CLASS   10:Atom
14:CLASS   19:CLASS
Generic attributes :
10:
Saturation   : Unsaturated

Number of Carbon Atoms : less than 7

L23   STRUCTURE UPLOADED

=> d
L23 HAS NO ANSWERS
L23   STR

G1 C,S
G2
G3 H,Me,Et,n-Pr,i-Pr,n-Bu,s-Bu
G4 X,MeO,EtO,n-PrO,i-PrO,n-BuO,s-BuO,CN,CHO,NH,NH2,NO2

Structure attributes must be viewed using STN Express query preparation.

=> s l23
    REG1stRY INITIATED
Substance data SEARCH and crossover from CAS REGISTRY in progress...
Use DISPLAY HITSTR (or FHITSTR) to directly view retrieved structures.

SAMPLE SEARCH INITIATED 14:05:54 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   44548 TO ITERATE

   4.5% PROCESSED   2000 ITERATIONS   0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE   **COMPLETE**
                          BATCH   **COMPLETE**
PROJECTED ITERATIONS: 878358 TO   903562
PROJECTED ANSWERS: 0 TO   0

L24   0 SEA SSS SAM L23

L25   0 L24

```
=> file caplus
COST IN U.S. DOLLARS                              SINCE FILE        TOTAL
                                                     ENTRY        SESSION
FULL ESTIMATED COST                                   0.47         727.93


DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE        TOTAL
                                                     ENTRY        SESSION
CA SUBSCRIBER PRICE                                   0.00          -2.34
```

FILE 'CAPLUS' ENTERED AT 14:06:02 ON 05 SEP 2007
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FILE COVERS 1907 - 5 Sep 2007 VOL 147 ISS 11
FILE LAST UPDATED: 4 Sep 2007 (20070904/ED)

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They are available for your review at:

http://www.cas.org/infopolicy.html

```
=> file reg
COST IN U.S. DOLLARS                              SINCE FILE        TOTAL
                                                     ENTRY        SESSION
FULL ESTIMATED COST                                   0.47         728.40

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)        SINCE FILE        TOTAL
                                                     ENTRY        SESSION
CA SUBSCRIBER PRICE                                   0.00          -2.34
```

FILE 'REGISTRY' ENTERED AT 14:06:08 ON 05 SEP 2007
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
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Property values tagged with IC are from the ZIC/VINITI data file
provided by InfoChem.

STRUCTURE FILE UPDATES: 4 SEP 2007 HIGHEST RN 946048-22-2
DICTIONARY FILE UPDATES: 4 SEP 2007 HIGHEST RN 946048-22-2

New CAS Information Use Policies, enter HELP USAGETERMS for details.

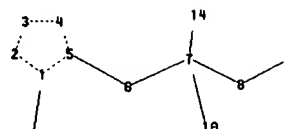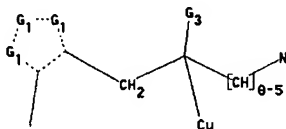TSCA INFORMATION NOW CURRENT THROUGH June 29, 2007

   Please note that search-term pricing does apply when
   conducting SmartSELECT searches.

REGISTRY includes numerically searchable data for experimental and
predicted properties as well as tags indicating availability of
experimental property data in the original document. For information
on property searching in REGISTRY, refer to:

http://www.cas.org/support/stngen/stndoc/properties.html

=>
Uploading C:\Documents and Settings\ychu\Desktop\Case\10521728\10521728S-3str.str

chain nodes :
6 7 8 9 10 14 19
ring nodes :
1 2 3 4 5
chain bonds :
1-19 5-6 6-7 7-8 7-10 7-14 8-9
ring bonds :
1-2 1-5 2-3 3-4 4-5
exact/norm bonds :
1-2 1-5 1-19 2-3 3-4 4-5 5-6 6-7 7-8 7-10 7-14 8-9

G1:C,S

G3:H,CH3,Et,n-Pr,i-Pr,n-Bu,s-Bu

G4:X,MeO,EtO,n-PrO,i-PrO,n-BuO,s-BuO,CN,CHO,NH,NH2,NO2

Match level :
1:Atom 2:Atom 3:Atom 4:Atom 5:Atom 6:CLASS 7:CLASS 8:CLASS 9:CLASS 10:Atom
14:CLASS 19:CLASS
Generic attributes :
10:
Saturation   : Unsaturated
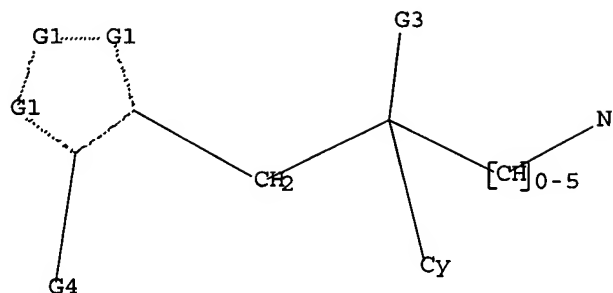Number of Carbon Atoms : less than 7

L26   STRUCTURE UPLOADED

=> d
L26 HAS NO ANSWERS

L26   STR

G1·······G1   G3
G1 |
| |
G4   CH2   [CH]0-5——N
                   |
                   Cy

G1 C,S
G2
G3 H,Me,Et,n-Pr,i-Pr,n-Bu,s-Bu
G4 X,MeO,EtO,n-PrO,i-PrO,n-BuO,s-BuO,CN,CHO,NH,NH2,NO2

Structure attributes must be viewed using STN Express query preparation.

=> s l26
SAMPLE SEARCH INITIATED 14:06:39 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -   44548 TO ITERATE

   4.5% PROCESSED   2000 ITERATIONS   0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE   **COMPLETE**
                         BATCH   **COMPLETE**
PROJECTED ITERATIONS: 878358 TO   903562
PROJECTED ANSWERS: 0 TO   0

L27   0 SEA SSS SAM L26

=> s l26 full
FULL SEARCH INITIATED 14:06:46 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED -   894122 TO ITERATE

100.0% PROCESSED   894122 ITERATIONS   0 ANSWERS
SEARCH TIME: 00.00.10

L28   0 SEA SSS FUL L26

=>

=>
Executing the logoff script...

=> LOG H

COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                              ENTRY   SESSION
FULL ESTIMATED COST   173.00   901.40

```
DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)          SINCE FILE      TOTAL
                                                      ENTRY        SESSION
CA SUBSCRIBER PRICE                                    0.00         -2.34

 SESSION WILL BE HELD FOR 120 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 14:07:47 ON 05 SEP 2007
```